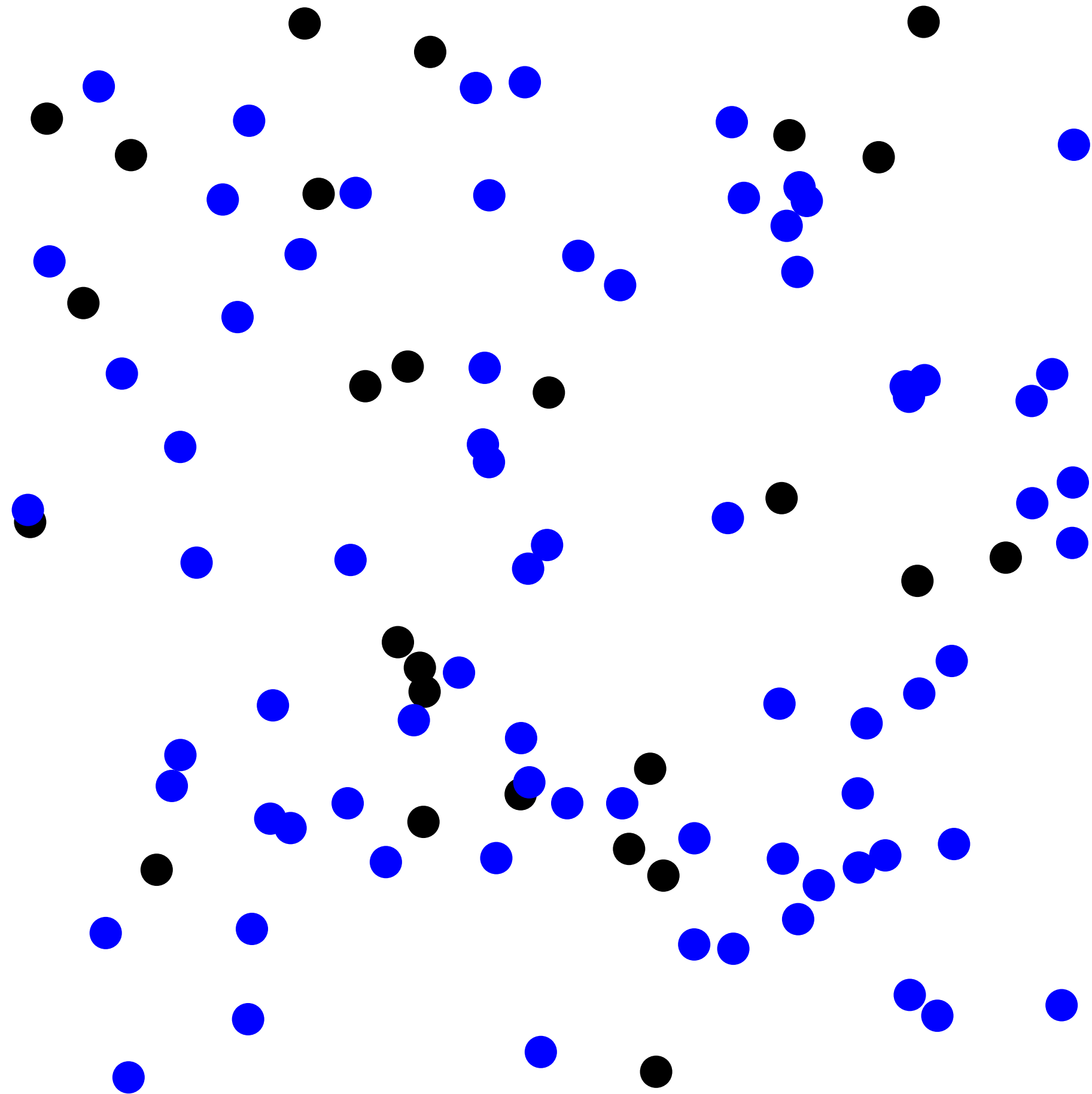


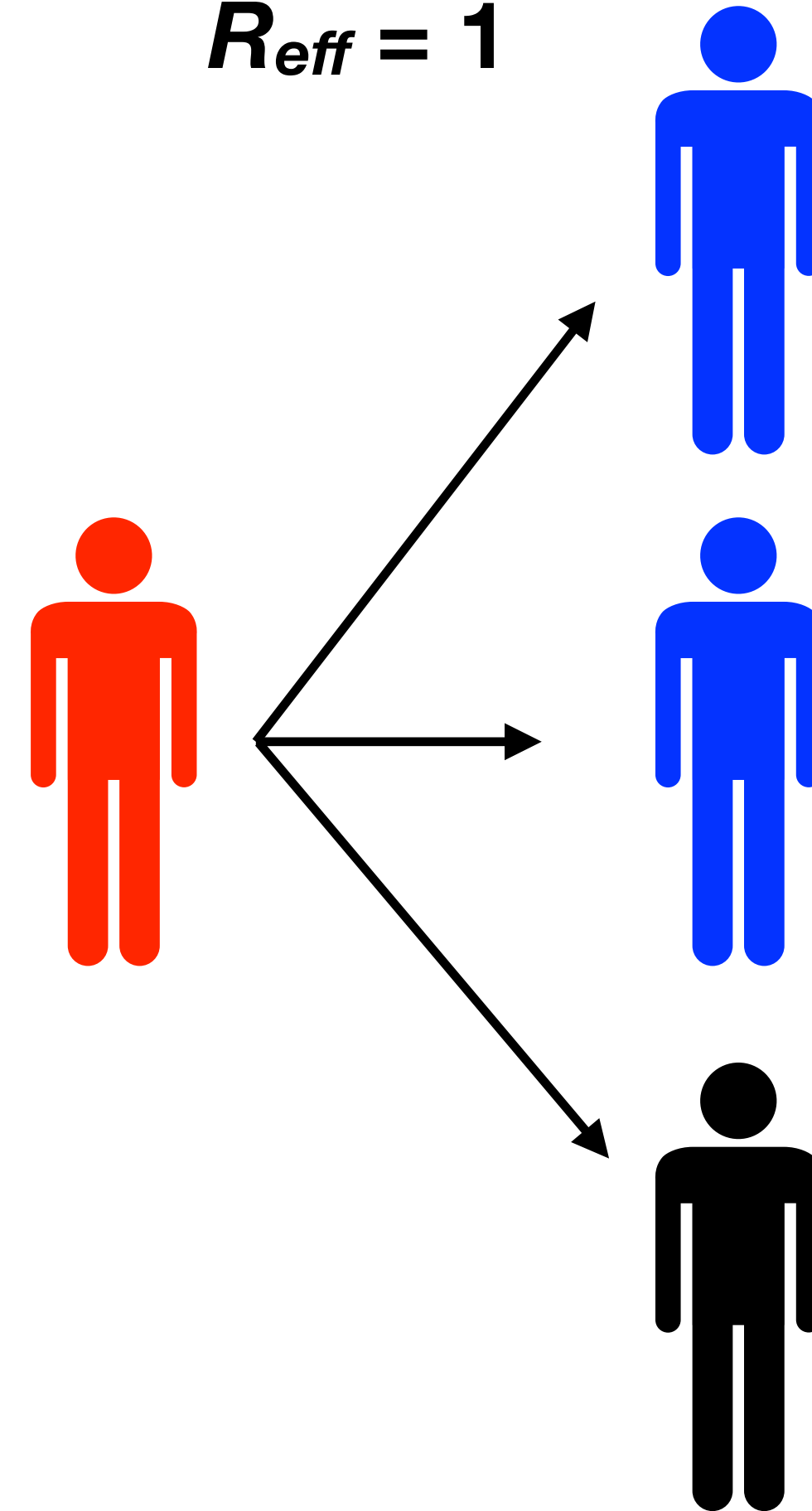
What can we infer about epidemics from the SIR model?

Herd immunity



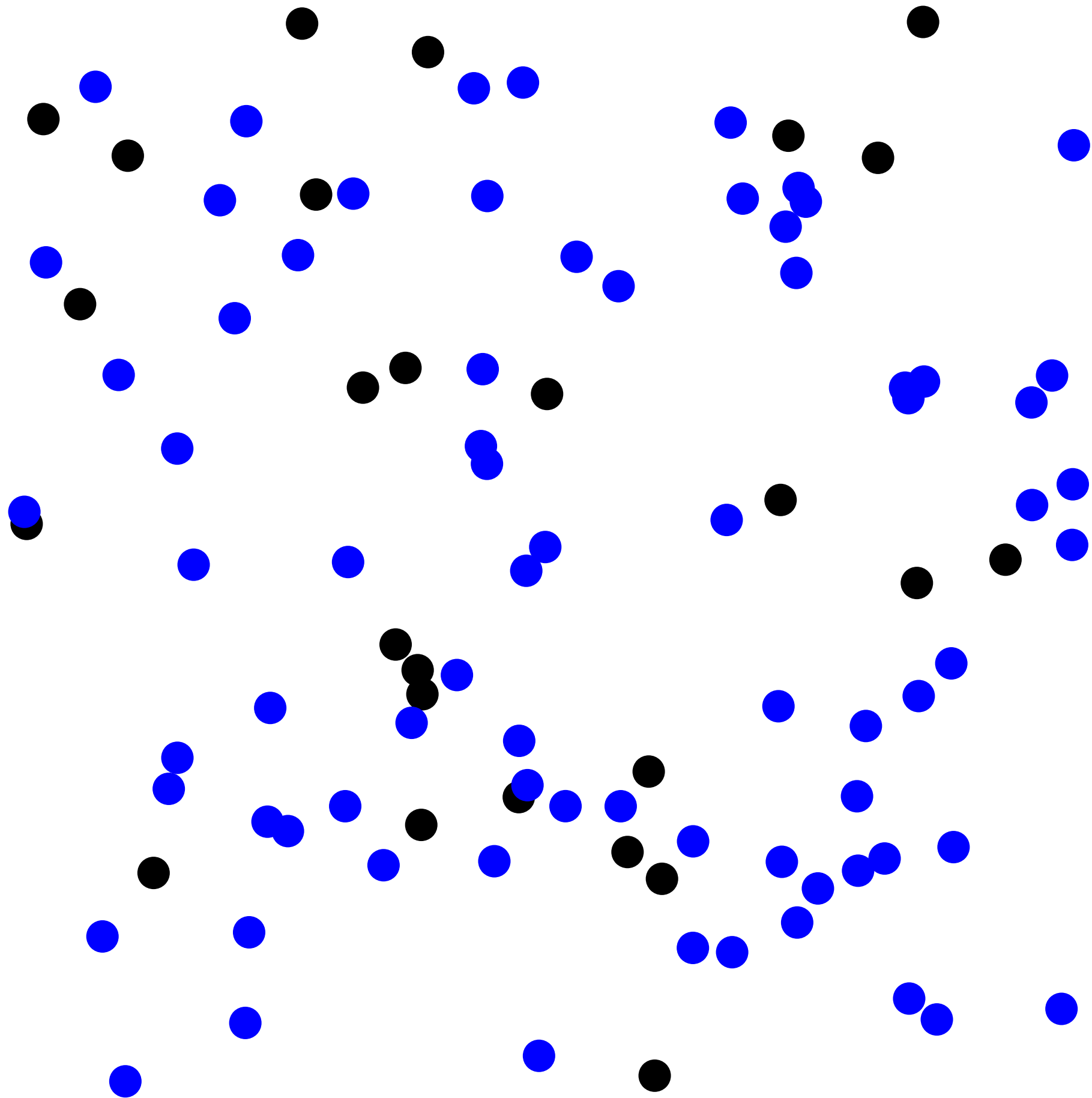
$$R_0 = 3$$

$$R_{eff} = 1$$



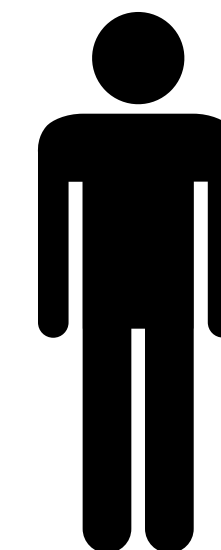
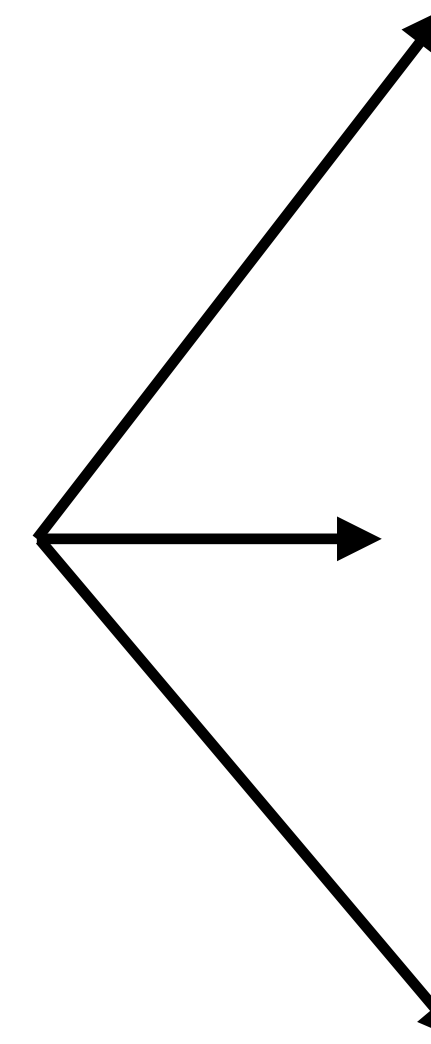
What can we infer about epidemics from the SIR model?

Herd immunity



$$R_0 = 3$$

$$R_{eff} = 1$$



2/3 of people need to be protected
to prevent an epidemic